

POTTER

OFF-LINE PRINTER SYSTEM MODEL PS-6000

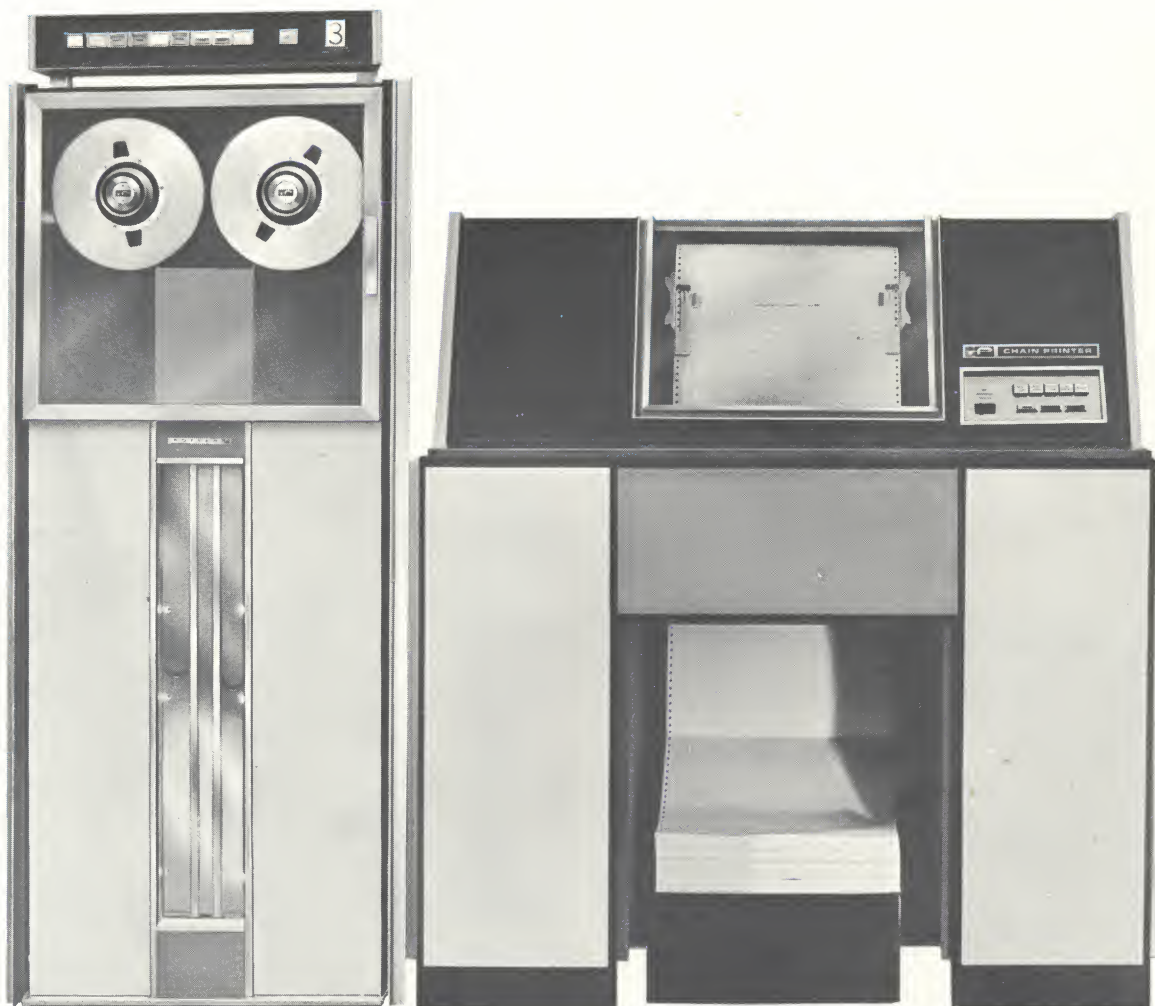


Figure 1. Potter PS-6000 Off-Line Printer System

INTRODUCTION

The Potter Off-Line Printer System is designed to relieve computers of the routine task of producing hard copy. By using the PS-6000 System, substantial computer time can be freed for more demanding operations. The system can be supplied to be compatible with systems of all major manufacturers.

SYSTEM DESCRIPTION

The basic PS-6000 Off-Line Printer System utilizes a standard Potter Model SC-1060 Single-Capstan Digital Magnetic Tape Transport with solid-state playback amplifier, and a model HSP-3502 600 line-per-minute Chain Printer.

EFFECTIVE: NOVEMBER 25, 1965

SYSTEM DESCRIPTION cont.

In the compatible system for IBM tape units, the Potter digital magnetic tape transports are capable of reading data recorded at 200, 556 or 800 ips using 7-channel NRZ format. Other models are available for 9-channel NRZ compatibility and 1600 bpi phase modulation recording. System compatibility with other tape units of other manufacturers is also available.

When reading data, the signals are amplified, compensated, and converted to digital levels in the amplifier. The amplifier output is presented a character-at-a-time to the Controller where any necessary decoding and processing of the data is accomplished before transmittal to the printer.

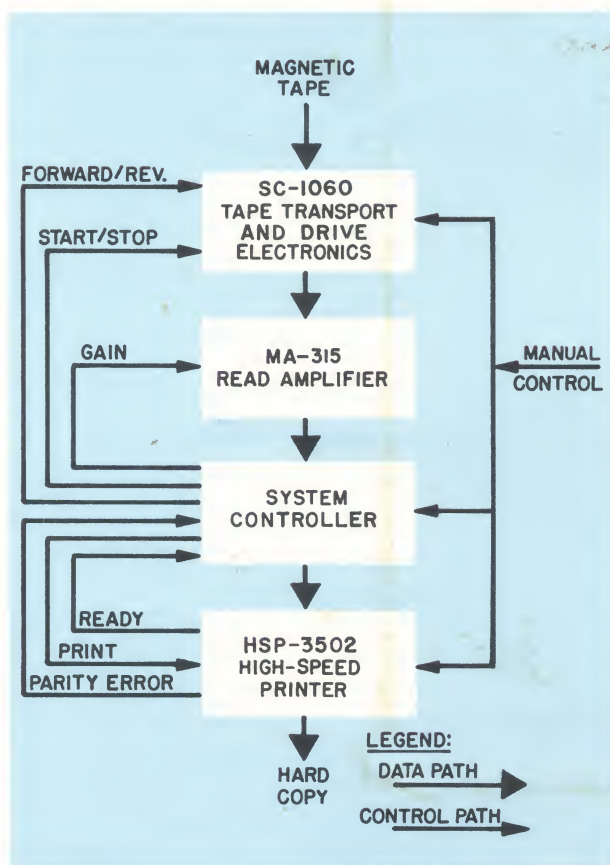


Figure 2. Off-Line Printer System Block Diagram

TAPE FORMAT

Data for the Off-Line Printer System is in a fixed block format, one block per printer line per record. Each block contains characters as indicated in Figure 3.

In addition, the record contains the control information in the record identification word as shown in Figure 3. The record pattern character is used by the programmer to subdivide the records on magnetic tape into groups. The System Controller is designed so that one of the pattern characters is used to select specific records to be printed for a single pass of the tape. The record-type character controls the subdivision of records within a pattern. The vertical format-control character selects one of the four formats which are pre-programmed in the paper control mechanism.

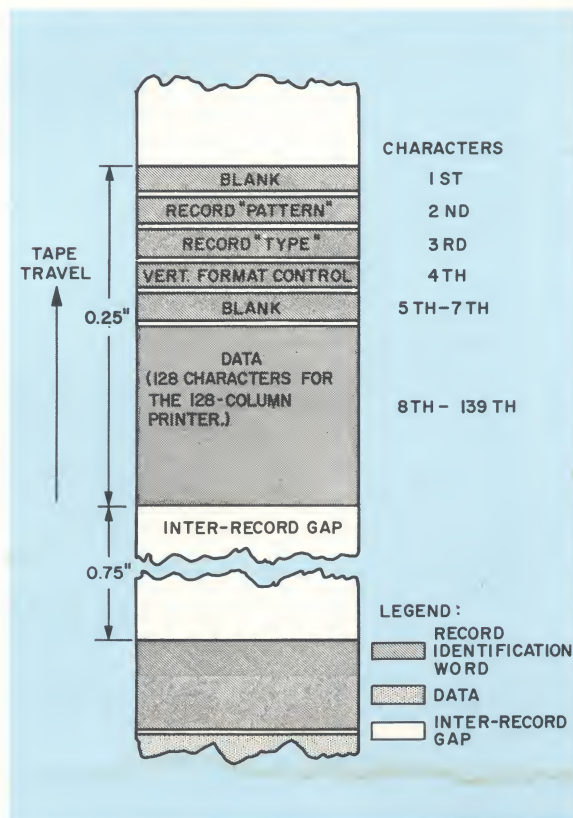


Figure 3. Typical Block Format for Tape Recorded at 556 bpi with 128 Characters per Record

SYSTEM CONTROLLER

The System Controller performs four functions:

- decodes and interprets a record-identification word which precedes each record
- provides signals for the Start/Stop and Forward/Reverse controls of the tape transport
- checks lateral and longitudinal parity
- controls the gain of the playback amplifiers when a parity error is detected
- converts the tape code to printer code (optional)

- separates print lines in a multiple-line record (optional)

Upon detecting a parity error, the block is reread up to seven times at increasing gain levels to insure a high probability that the data recorded is recovered without error.

OPERATION

The system control panel is provided for initial setup, Start/Stop and reset control of the Read/Print operation, and display of fault conditions. Once the Printer System is manually started, the System Controller provides automatic operation.

SPECIFICATIONS

TAPE TRANSPORT — (SC-1060)

TAPE FORMAT	Standard, IBM-compatible: 200, 556, 800 bpi. Other formats, including 1600 bpi phase modulation recording, optional.
TAPE SPEEDS	112.5 ips — standard 120 ips — optional
TAPE TYPE	½" 3M8938, or equal; 1.5 mil Mylar

PRINTER (HSP-3502)

PRINTING SPEED (Printing speed varies with the number of characters provided. Various character sets can be supplied as required.)	Up to 600 lines per minute
SLEWING SPEED	17.5 ips standard
NO. OF CHARACTERS	Up to 192 characters
NO. OF COLUMNS	128 columns standard. up to 160 optional
FORMAT CONTROL	Continuous 4-channel IBM-compatible photoelectric tape loop
SINGLE LINE ADVANCE	18.5 milliseconds
NO. OF COPIES	1 to 6 copies interleaved, card stock, or multilith master
RIBBON	Conventional, low cost ¾" ribbon activated only during print cycle
PAPER WIDTH	2½ inches to 18½ inches
PRINT SPACING	10 characters per inch
LINE SPACING	6 lines per inch standard; 8 lines per inch optional

About **POTTER**

POTTER WORLDWIDE FIELD SERVICE AND LOGISTICS PROGRAM — Repair centers in strategic locations within the continental United States and abroad have been established to support the entire Potter product line.

Staffed by highly-trained field representatives, these repair centers are equipped to effect on-site installation of equipments and to perform quality repair, maintenance and overhaul.

Supplementing this capability, if a customer prefers to provide his own equipment support, Potter has established standard instruction courses to train customer personnel, either at Potter or in the field.

A Spare Parts Department, backed up by an extremely large inventory and streamlined order processing, is available for customer convenience and economy. This inventory permits the customer to realize virtual elimination of downtime as well as savings on spare parts dollars by offering expeditious delivery for replaceable parts. Delivery is available in 24 hours to meet customer emergency requirements—within 72 hours for standard parts under normal conditions. Potter also offers provisioning and logistics capabilities to meet all existing military specifications.

The Potter field service and logistics program is one of the finest in the EDP equipment industry. With reliable, quality-engineered equipment, supported by comprehensive field service, Potter guarantees satisfaction.



POTTER PLANTS — Tape transport production is carried on in this modern 62,000 sq. ft. plant on Sunnyside Boulevard, Plainview, New York. Building also houses corporate offices, sales, engineering and research groups.

East Bethpage Road plant (below), completed in 1963, produces high-speed printers. A third plant in Luquillo, Puerto Rico, manufactures magnetic and photoelectric recording and playback heads. Total manufacturing space in all Potter plants exceeds 110,000 sq. ft.

Present Potter employment is in excess of 650 people.



SALES OFFICES

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Plainview, Long Island, New York
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CABLE: PICO

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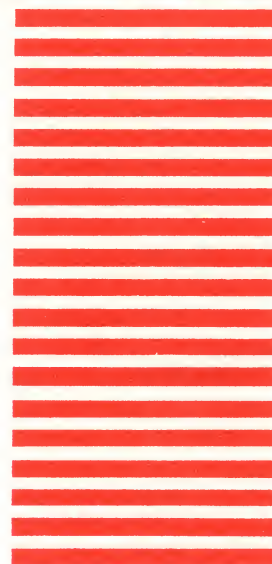
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151 Sunnyside Boulevard

Plainview, New York 11803

Attn.: General Sales Manager



- ☐ I'm ready to get down to brass tacks. Have an application engineer call me.
- ☐ I want enough additional information to let me determine how your off-line printer system will fit into my installation. Here's what I'm using:

Computer manufacture _____, Model _____

Application _____

- ☐ I have a current need.
- ☐ I expect to have a need in 6 mos. _____, 12 mos. _____, 18 mos. _____
- ☐ I wanted this information for file only.
- ☐ Place my name on your mailing list.

Here are the features that interest me:

Feature	Not Important	Fairly Important	Very Important
Chain (no drum)			
Speed (to 600 lines)			
Characters (to 192)			
Price			
Immediate visibility of last printed line			
Reliability through fewer parts			
Other			

Name _____

Title _____

Company _____

Address _____

City _____ State _____

Phone (____) _____



POTTER INSTRUMENT COMPANY, INC.

151 Sunnyside Boulevard • Plainview, New York (11803) • 516 Overbrook 1-3200

HERE IS THE INFORMATION YOU REQUESTED ON POTTER'S NEW OFF-LINE PRINTER SYSTEM

A few highlights:

- . Low cost (\$29,200 - or approximately \$900 a month)
- . Speed to 600 lines-per-minute
- . Standard IBM - compatible tape format
- . 128 columns standard, to 132 optional
- . Up to 192 characters
- . Value engineered for maximum reliability

Let us tell you more about how the POTTER
Off-Line Printer System can benefit you.
Just fill in the postage paid reply card.

Thank you,

POTTER INSTRUMENT COMPANY, INC.

PS-6000 SERIES OFF-LINE PRINTER SYSTEM

MODEL	DESCRIPTION	SELLING PRICE
PS-6010	Standard system incorporating Potter Model MT-36 Vacuum Column Tape Transport and HSP-3502 Chain Printer 128 Columns----- 132 Columns----- Tape Transport: IBM Compatible, 7-channel, 200, 556, 800 bpi. Chain Printer: 128 or 132 columns, 48 characters, 600 lines-per-minute, or 64 characters, 485 lines-per-minute.	\$29,200. 30,300.
PS-6020	Standard system incorporating Potter Model SC-1060 Single-Capstan Tape Transport and HSP-3502 Chain Printer 128 Columns----- 132 Columns----- Tape Transport: IBM Compatible, 7-channel, 200, 556, 800 bpi. Chain Printer: 128 or 132 columns, 48 characters, 600 lines-per-minute, or 64 characters, 485 lines-per-minute.	\$31,200. 32,300.

Consult your Potter Field Applications Engineer for information on the following:

Leasing: One, two and three year leases are available at low monthly rentals. Potter does not lease directly, but arrangements can be made for leasing through an independent leasing organization.

Service: Potter field service is available on a 24-hour-a-day basis. Service contracts are available providing all required parts and service at a fixed monthly rate. Service training for customer personnel is available at no charge.

Prices: Potter prices are quoted f.o.b. Plainview, New York

Terms: Terms of sale are net 30 days from date of invoice.

Prices and information subject to change without notice.

EFFECTIVE: FEBRUARY 1, 1966



POTTER INSTRUMENT COMPANY, INC.

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